

10/586,199
IN THE CLAIMS

This listing of the claims will replace all prior versions, listings, of claims in the application:

Claims 1-6 (canceled)

Claim 7 (new): A method for operation of a flowmeter that uses magnetic induction to measure only the flow rate of an electrically conductive fluid flowing through said flowmeter and provide a signal representative of said flow rate, said flowmeter having a supply for providing power to produce a magnetic field used in said flow measurement, said method comprising:

determining from said signal representative of said flow rate an instantaneous signal-to-noise ratio; and

adjusting in response to said determined instantaneous signal-to-noise ratio said power provided by said supply so that said power is supplied inverse to said instantaneous signal-to-noise ratio.

Claim 8 (new): The method of claim 7 further comprising indicating a value that represents said determined instantaneous signal-to-noise ratio.

Claim 9 (new): The method of claim 7 further comprising indicating a value that represents said provided power.

Claim 10 (new): The method of claim 8 further comprising indicating a value that represents said provided power.

Claim 11 (new): The method of claim 7 further comprising generating a warning when said determined instantaneous signal-to-noise ratio indicates that the noise voltage has exceeded a predetermined value.

Claim 12 (new): The method of claim 7 further comprising switching off said power supply when said flow rate is zero or virtually zero.